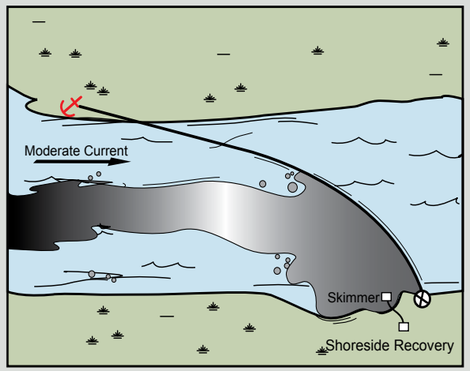
Geographic Response Strategies for Bristol Bay Subarea, Northern Zone

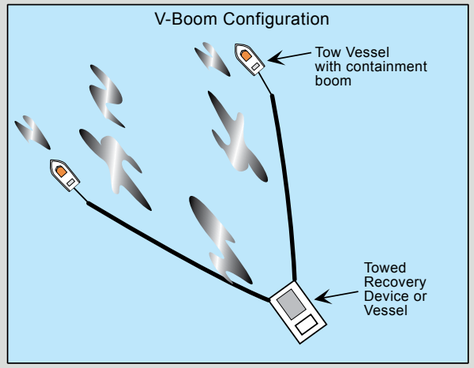
Port Heiden, BB-N17

Center of map at 56° 53.44' N Lat., 158° 47.23' W Lon.

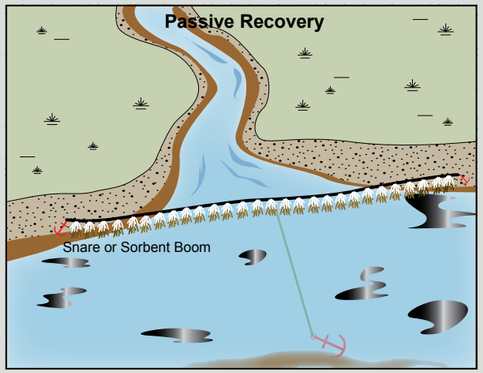
This is not intended for navigational use.



An example of the ***Diversion Booming Tactic***. Actual deployment should be adjusted for local conditions.



An example of the ***Free-oil Recovery Tactic***. Actual deployment should be adjusted for local conditions.



An example of the ***Passive Recovery Tactic***. Actual deployment should be adjusted for local conditions.

Map Legend

- FO-S — Free-oil Recovery
- PR — Passive Recovery
- DV — Diversion Booming
- SR — Shoreside Recovery
- Fast-water Boom
- Tidal-seal Boom
- Snare or Sorbent Boom
- Bears in Area, Guards Recommended

Aerial photography of this area is unavailable at this time, but may be included as it becomes available.

ID	Location and Description	Response Strategy	Implementation	Response Resources	Staging Area	Site Access	Resources Protected (months)	Special Considerations
N-17-01 DV	**Port Heiden** a. Lat.56° 57.30'N Lon.157°41.46'W b. Lat.56° 53.52'N Lon.157°51.11'W	**Divert and Collect** Divert oil to shore side collection location on the shore of the outside Port Heiden.	Deploy anchors and boom with skiffs (class 6). Postion the actual location at a place that is most likely to collect oil moving along the shore. At each location cascade 3 x 300 ft. sections of fast-water boom at the proper angle to divert incoming oil to the collection sites. Complete the array with 60 ft. of tidal seal boom on the shore that will be used as a collection site. Set up shore-side recovery and tend throughout the tide.	**Deployment** **Equipment** 1800 ft. fast-water boom 120 ft. tidal seal boom 18 ea. anchor systems 4 ea. anchor stakes 2 ea. shore-side recovery systems **Vessels** 1 ea. class 3 2 ea. class 6 **Personnel/Shift** 6 ea. vessel crew/general techs 2 ea. response techs **Tending** **Vessels** 1 ea. class 3 1 ea. class 6 **Personnel/Shift** 4 ea. vessel crew/general techs 2 ea. skilled tech	Port Heiden	Via marine waters Chart 16343	Same as N-17-02	Vessel master should have local knowledge. Take appropriate measures as outlined in the STAR Manual to protect the shoreline at the collection site. A large population of bears are in the area. Bear guards are required. Surveyed: not yet Tested: not yet
N-17-02 PR	**Port Heiden** a. Lat.56° 53.25'N Lon.158°39.90'W b. Lat.56° 51.61'N Lon.158°40.19'W c. Lat.56° 47.25'N Lon.158°44.05'W d. Lat.56° 49.83'N Lon.158°39.14'W e. Lat.56° 47.32'N Lon.158°44.14'W f. Lat.56° 46.98'N Lon.158°44.16'W g. Lat.56° 48.09'N Lon.158°53.90'W	**Passive Recovery** Survey the area prior to deployment. Place passive recovery across entrances to the identified sloughs and streams in Port Heiden.	Place and anchor snare line or sorbent boom across the streams in Port Heiden. Replace as necessary to maximize the recovery. Boom Lengths: a. 600 ft b. 300 ft c. 400 ft d. 300 ft e. 600 ft f. 200 ft g. 600 ft	**Deployment** **Equipment** 3000 ft. snare line or sorbent boom 10 ea. anchor systems 28 ea. anchor stakes systems **Vessels/Personnel/Shift** Same as N-17-01 **Tending** **Vessels/Personnel/Shift** Same as N-17-01	Port Heiden	Via marine waters Chart 16343	Fish- intertidal spawning-salmon (June-Sept.) Birds-waterfowl, seabird and shorebird concentration Marine Mammals-otters,seals Habitat- exposed tidal flats, peat shoreline, marsh, Human use-subsistence, commercial fishing	Vessel master should have local knowledge. Title 41 permitting required from ADNR. A large population of bears are in the area. Bear guards are required.
N-17-03 FO-S	**Port Heiden** Nearshore waters in the general area of: Lat. 56° 53.44'N Lon. 158°47.23'W	**Free-oil Recovery** Maximize free-oil recovery in the offshore & nearshore environment of Port Heiden depending on spill location and trajectory.	Deploy free-oil recovery strike teams upwind and up current of the Port Heiden. Use aerial surveillance to locate incoming slicks.	Deploy multiple free-oil recovery strike teams as required to maximize interception of oil before it impacts sensitive areas.	Port Heiden	Via marine waters Chart 16343	Same as N-17-02	Vessel master should have local knowledge. Use extreme caution, shallow waters with shifting channels and bars.

NOTE: Sensitive resource information can be found on other maps which can be accessed through the sensitive area section of the Western Alaska Subarea Contingency Plan: http://dec.alaska.gov/spar/perp/plans/scp_bb.htm.